

Appl. No. : unknown
Filed : herewith

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A protein defined in the following (A) or (B):

(A) a protein which has at least ~~the~~ an amino acid sequence comprising amino acids 23 to 425 of SEQ ID NO: 16;

(B) a protein which has a substitution, deletion, insertion or addition of 1 to 20 amino acid residues in the protein which has at least the amino acid sequence comprising amino acids 23 to 425 of SEQ ID NO: 16 ~~including substitution, deletion, insertion or addition of 1 to 20 amino acid residues.~~

2. (Currently amended) A DNA encoding a protein defined in the following (A) or (B):

(A) a protein which has at least ~~the~~ an amino acid sequence comprising amino acids 23 to 425 of SEQ ID NO: 16;

(B) a protein which has a substitution, deletion, insertion or addition of 1 to 20 amino acid residues in the protein which has at least the amino acid sequence comprising amino acids 23 to 425 of SEQ ID NO: 16 ~~including substitution, deletion, insertion or addition of 1 to 20 amino acid residues.~~

3. (Currently amended) The DNA according to claim 2, wherein the DNA is defined in the following (a) or (b):

(a) a DNA comprising ~~the~~ a nucleotide sequence consisting of ~~nucleotides~~ nucleotides 187 to 1398 of SEQ ID NO: 15;

(b) a DNA which is hybridizable with the nucleotide ~~sequence~~ sequence consisting of nucleotides 187 to 1398 of SEQ ID NO: 15 under stringent conditions.

4. (Currently amended) The DNA according to claim 3, further comprising ~~the~~ a nucleotide ~~sequence~~ sequence consisting of nucleotides 121 to 187 of SEQ ID NO: 15.

5. (Currently amended) A recombinant vector comprising the DNA according to ~~any one of claims 2 to 4~~ claim 2.

6. (Currently amended) A transformant transformed with the DNA according to ~~any one of claims 2 to 4 or the recombinant vector according to claim 5~~ claim 2.

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7. (Original) A method of producing a glucose dehydrogenase β subunit, comprising culturing the transformant according to claim 6 to produce a glucose dehydrogenase β subunit as an expression product of the DNA, and collecting the produced β subunit.
8. (Currently amended) The DNA according to ~~claim 3 or 4~~claim 3, further comprising the nucleotide ~~sequence~~sequence encoding an α subunit and a γ subunit of glucose dehydrogenase of Burkholderia cepacia.
9. (Original) A recombinant vector comprising the DNA according to claim 8.
10. A transformant transformed with the DNA according to claim 8 ~~or the recombinant vector according to claim 9~~.
11. (Original) A method of producing a glucose dehydrogenase complex, comprising culturing the transformant according to claim 10 to produce a glucose dehydrogenase complex as an expression product of the DNA, and collecting the produced complex.
12. (New) A recombinant vector comprising the DNA according to claim 3.
13. (New) A recombinant vector comprising the DNA according to claim 4.
14. (New) A transformant transformed with the DNA according to claim 3.
15. (New) A transformant transformed with the DNA according to claim 4.
16. (New) A transformant transformed with the recombinant vector according to claim 5.
17. (New) A transformant transformed with the recombinant vector according to claim 12.
18. (New) A transformant transformed with the recombinant vector according to claim 13.
19. (New) A method of producing a glucose dehydrogenase β subunit, comprising culturing the transformant according to claim 14 to produce a glucose dehydrogenase β subunit as an expression product of the DNA, and collecting the produced β subunit.
20. (New) A method of producing a glucose dehydrogenase β subunit, comprising culturing the transformant according to claim 15 to produce a glucose dehydrogenase β subunit as an expression product of the DNA, and collecting the produced β subunit.

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21. (New) A method of producing a glucose dehydrogenase β subunit, comprising culturing the transformant according to claim 16 to produce a glucose dehydrogenase β subunit as an expression product of the DNA, and collecting the produced β subunit.
22. (New) A method of producing a glucose dehydrogenase β subunit, comprising culturing the transformant according to claim 17 to produce a glucose dehydrogenase β subunit as an expression product of the DNA, and collecting the produced β subunit.
23. (New) A method of producing a glucose dehydrogenase β subunit, comprising culturing the transformant according to claim 18 to produce a glucose dehydrogenase β subunit as an expression product of the DNA, and collecting the produced β subunit.
24. (New) The DNA according to claim 4, further comprising the nucleotide sequence encoding an α subunit and a γ subunit of glucose dehydrogenase of *Burkholderia cepacia*.
25. (New) A recombinant vector comprising the DNA according to claim 24.
26. (New) A transformant transformed with the recombinant vector according to claim 9.
27. (New) A transformant transformed with the DNA according to claim 24.
28. (New) A transformant transformed with recombinant vector according to claim 25.
29. (New) A method of producing a glucose dehydrogenase complex, comprising culturing the transformant according to claim 26 to produce a glucose dehydrogenase complex as an expression product of the DNA, and collecting the produced complex.
30. (New) A method of producing a glucose dehydrogenase complex, comprising culturing the transformant according to claim 27 to produce a glucose dehydrogenase complex as an expression product of the DNA, and collecting the produced complex.
31. (New) A method of producing a glucose dehydrogenase complex, comprising culturing the transformant according to claim 28 to produce a glucose dehydrogenase complex as an expression product of the DNA, and collecting the produced complex.